Listing of Claims:

Claims 1-11 (Cancelled)

12. (Currently Amended) A method for depositing a phosphor pattern on an article using a direct-write tool, comprising the steps of:

providing a particulate suspension of phosphor particles having a viscosity of not greater than 30 centipoise, wherein said particles are substantially spherical and have a weight average particle size of from about 0.1 µm to about 20 µm; and

depositing said particulate suspension on said article using a direct-write tool that is controllable over an x-y grid.

- 13. (Currently Amended) A method as recited in Claim 4219, wherein said average particle size is from about 0.3 μm to about 10 μm.
- 14. (Currently Amended) A method as recited in Claim <u>1219</u>, wherein said particles comprise metal oxide phosphor particles.
- 15. (Currently Amended) A method as recited in Claim 4219, wherein said particles comprise metal sulfide phosphor particles.
- 16. (Currently Amended) A method as recited in Claim 1219, wherein said article is a panel for a flat panel display.
- 17. (Currently Amended) A method as recited in Claim 4219, wherein said phosphor particles have an apparent density of not greater than about 20 percent of the theoretical density of the phosphor compound.
- 18. (Currently Amended) A method as recited in Claim <u>1219</u>, wherein said phosphor particles comprise hollow particles.
- 19. (Currently Amended) A method as recited in Claim 12, wherein said directwrite tool is selected from one of an automated syringe and an ink-jet device.
 - 20. (Cancelled herein)

Claims 21-23. (Cancelled)

- 24. (Currently Amended) A method for forming a flat panel display, comprising the steps of:
 - a) providing a flat panel display screen;
 - b) depositing at least first phosphor particles on said display screen, wherein said step of depositing comprises using a direct-write tool controllable over

an x-y grid to deposit a liquid suspension <u>having a viscosity of not greater than 30 centipoise and comprising</u> said first phosphor particles in predetermined pixel regions wherein said first phosphor particles have an average size of not greater than about 20 µm and a substantially spherical morphology.

- 25. (Currently Amended) A method as recited in Claim 4219, wherein said phosphor particles have a size distribution wherein at least about 80 weight percent of said phosphor particles are not larger than twice said average particle size.
- 26. (Currently Amended) A method as recited in Claim 4219, wherein said phosphor particles have a size distribution wherein at least about 90 weight percent of said phosphor particles are not larger than twice said average particle size.
- 27. (Currently Amended) A method as recited in Claim 1219, wherein said particulate suspension comprises a water-based liquid vehicle.
 - 28. (Cancelled herein)
- 29. (Currently Amended) A method as recited in Claim 4219, wherein said phosphor pattern comprises predetermined pixel regions.
- 30. (Currently Amended) A method as recited in Claim 2434, wherein said flat panel display is a field emission display.
- 31. (Currently Amended) A method as recited in Claim 2434, wherein said flat panel display is a plasma display panel.
- 32. (Currently Amended) A method as recited in Claim 2434, wherein said phosphor particles have an average size of from about 0.3 μ m to about 10 μ m.
- 33. (Currently Amended) A method as recited in Claim 2434, further comprising the step of depositing at least second phosphor particles on said display screen, wherein said step of depositing comprises using said direct-write tool controllable over an x-y grid to deposit said second phosphor particles in said predetermined pixel regions wherein said second phosphor particles have an average size of not greater than about 20 µm and a substantially spherical morphology and have a composition different than said first phosphor particles.
- 34. (Currently Amended) A method as recited in Claim 24, wherein said directwrite tool is <u>selected from one of an ink-jet device and an automated syringe</u>.

- 35. (Currently Amended) A method as recited in Claim 2434, wherein said phosphor particles comprise metal oxide phosphor particles.
- 36. (Currently Amended) A method as recited in Claim 2434, wherein said phosphor particles comprise metal sulfide phosphor particles.
- 37. (Currently Amended) A method as recited in Claim 2434, wherein said phosphor particles have a size distribution wherein at least about 80 weight percent of said phosphor particles are not larger than twice said average particle size.
- 38. (Currently Amended) A method as recited in Claim 2434, wherein said phosphor particles have a size distribution wherein at least about 90 weight percent of said phosphor particles are not larger than twice said average particle size.
- 39. (New) A method as recited in Claim 19 wherein said direct-write tool is an automated syringe.
- 40. (New) A method as recited in Claim 34, wherein said direct-write tool is an automated syringe.
- 41. (New) A method for depositing a phosphor pattern on an article using an inkjet device, the method comprising the steps of:

providing a particulate suspension of phosphor particles having a viscosity of not greater than 30 centipoise, wherein said phosphor particles are substantially spherical and have a weight average particle size of from about 0.1 µm to about 20 µm; and

depositing said particulate suspension on said article using an ink-jet device that is controllable over an x-y grid.

- 42. (New) A method for forming a flat panel display, comprising the steps of:
 - a) providing a flat panel display screen; and
- b) depositing at least first phosphor particles on said display screen, wherein said step of depositing comprises using a ink-jet device controllable over an x-y grid to deposit a liquid suspension in predetermined pixel regions, said liquid suspension having a viscosity of not greater than 30 centipoise and comprising said first phosphor particles, wherein said first phosphor particles have an average size of not greater than about 20 µm and a substantially spherical morphology.